

ABSTRACT OF THE DISCLOSURE

An enclosure forms a plurality of tiers vertically stacked in a longitudinal dimension, each tier supporting two lateral stacks of printed circuit board cards. Each tier has an associated distribution plenum contiguous to a top longitudinal end of the tier and an associated exhaust plenum contiguous to a bottom longitudinal end of the tier. A pump receives air from a pump plenum, and pressurizes the distribution plenum with that air. The distribution plenum distributes the pressurized air through jets in the top of the tier, creating directed streams of cooling air. In the tier, the air flows longitudinally to the exhaust plenum on the bottom of the tier. The air laterally enters the enclosure via the pump plenum, and laterally exits the enclosure via the exhaust plenum.